

**S**YSTEM **P**LANNING & **A**NALYSIS **R**eport

**S-37**

T. H. 10  
JUNCTION T. H. 10 WITH T. H. 96  
AND T. H. 35W WITH T. H. 96

S. P. 6205-20

FEBRUARY, 1971

PREPARED BY  
**OFFICE OF SYSTEM PLANNING**



**MINNESOTA  
DEPARTMENT  
OF HIGHWAYS**



DEPARTMENT HIGHWAY - Statewide Planning -  
Room 807 - Extension 3158

# Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: February 9, 1971

FROM : Morris Gildemeister, Chief  
Statewide Planning Section

SUBJECT: T.H. 10, Jct. T.H. 10 with T.H. 96  
and T.H. 35W with T.H. 96  
S.P. 6205-20  
System Planning & Analysis Report S-37

The Statewide Planning Section transmits this report in response to K. K. McRae's September 1, 1970 request for the 1985 ADT, DHV, and HCA DT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 and 5:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCA DT

Segment 12, with a 1985 one-way ADT of 10000, has the highest ADT on the project section of T.H. 10. This segment has a 1969 one-way ADT of 7250 vehicles.

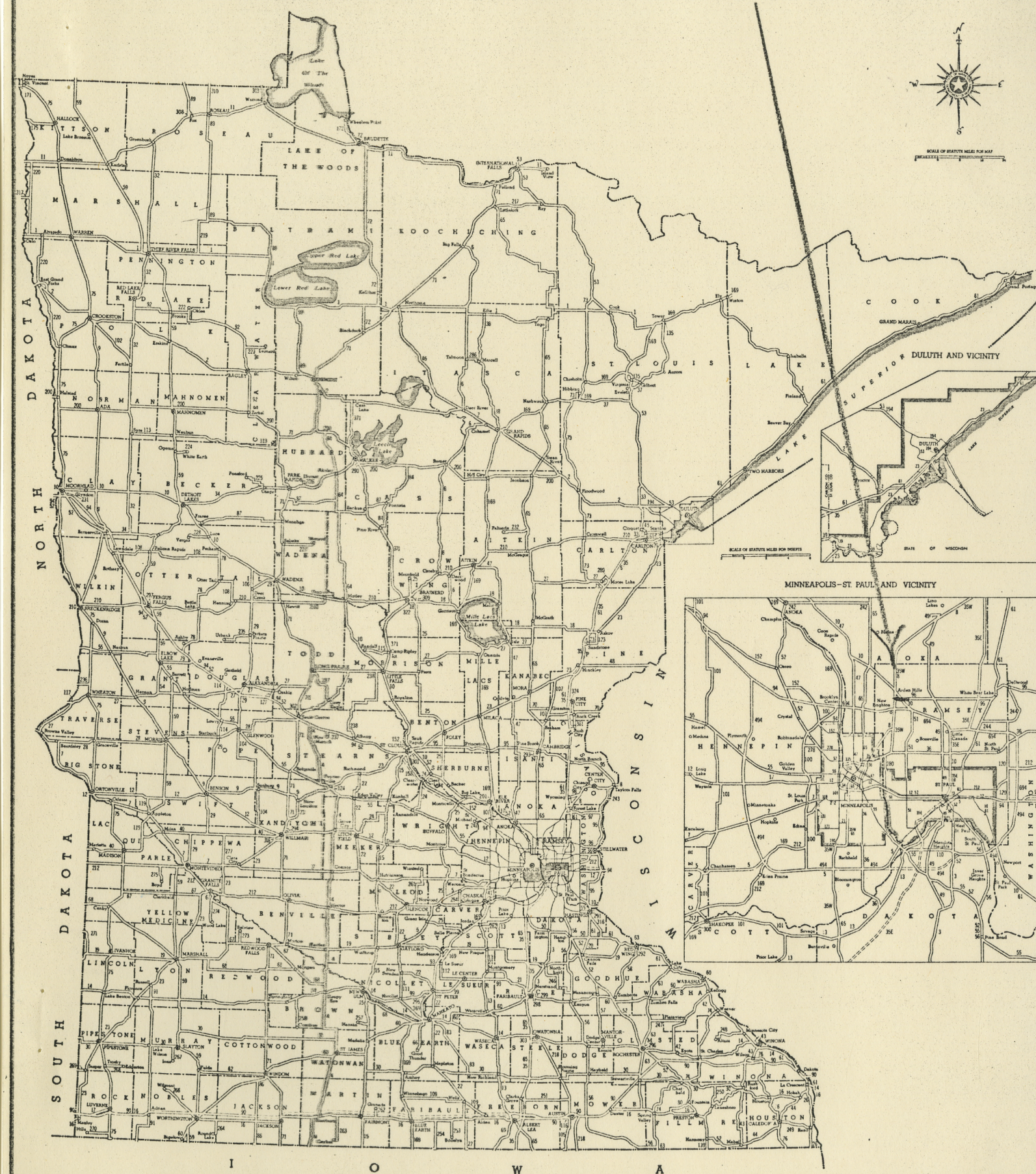
The basic data, method, and assumptions used to prepare this report are presented on page 6.

*Morris Gildemeister*  
Morris Gildemeister, Chief  
Statewide Planning Section

WF

STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

Project Location  
SP 6205-20





## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

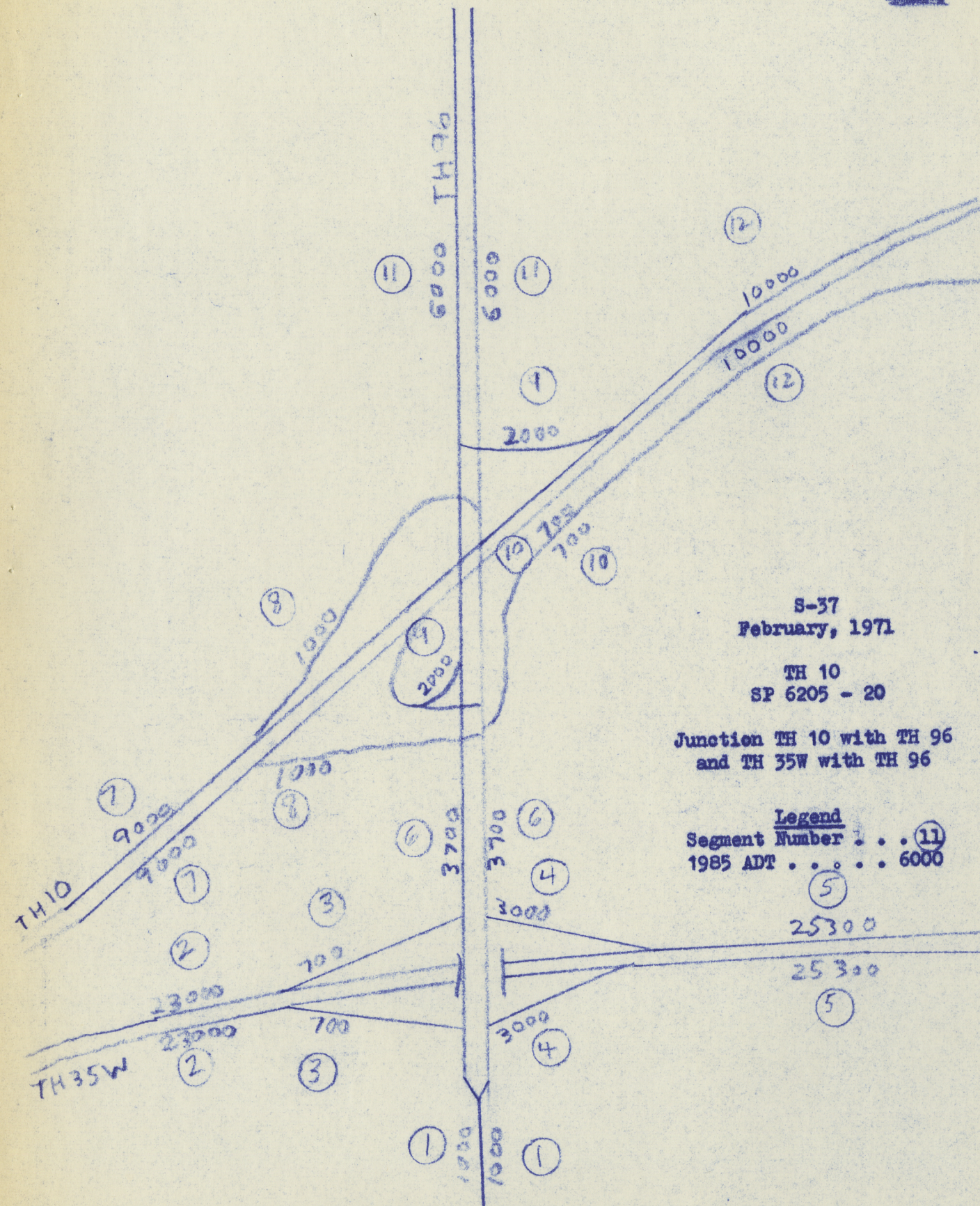
FOR

T.H. 10 S.P. 6205 - 20 LENGTH - MILESCOUNTY Ramsey LOCATION Junction TH 10 with TH 96  
and TH 35W with TH 96

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	916	21680	644	2744	23780	3384	8353	904	1808	675	5421
1	66	338	45	198	491	245	199	75	150	18	452
2	7	234	4	20	250	25	98	8	16	3	46
3	4	76	3	12	85	15	31	4	8	-	27
4	1	108	-	6	114	7	57	2	4	-	13
5	2	421	1	5	425	6	205	1	2	1	8
6	4	143	3	15	155	18	57	6	12	3	33
TOTAL ADT	1000	23000	700	3000	25300	3700	9000	1000	2000	700	6000
TOTAL H. COMM. ADT	84	1320	56	256	1520	316	647	96	192	25	579
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEM-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 10 S.P. 6205-20 LENGTH - MILES  
COUNTY Ramsey LOCATION Junction TH 10 with TH 96  
and TH 35W with TH 96

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH - AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER									
	12									
0	9257									
1	274									
2	106									
3	35									
4	59									
5	206									
6	63									
TOTAL ADT	10000									
TOTAL H. COMM. ADT	743									
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

\* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS  
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
2 = SINGLE UNIT-3 AXLE TRUCKS  
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method and Assumptions

The 1985 ADT and DHV are transmitted September 23, 1970 in SPAR M-35.

Total heavy commercial ADT for this report is based on System "14" Heavy Truck ADT Study.

The Total heavy commercial ADT was broken down by vehicle type distributions based on vehicle classification counts on roads providing similar travel characteristics as that of the studied area.

The 1985 traffic volumes in this report may be expanded by 30 percent to obtain 1994 traffic volumes.